Amendments to the Specification:

Please replace the Abstract, the paragraph on page 22 beginning below the subheading "Abstract of Disclosure", with the following rewritten paragraph:

A spread spectrum communications system adapted to receive simultaneous signals from multiple transmitters, separates frequency error and equalizes and decodes continuous streams of data sets from a plurality of matched filters with frequency correction and which sorts through data and successfully decodes data bits. The spread spectrum communications system includes a transmitter and a receiver. The receiver includes an RF receiver. At least one PNB matched filter receives signals from the RF receiver. A plurality of frequency shifters receives a signal from the at least one PNB matched filter. A plurality of PNA matched filters receives data from the at least one PNB matched filter and the plurality of frequency shifters. An equalizer/decoder receives signals from the plurality of PNA matched filters.